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# TRANSMITTAL FORM

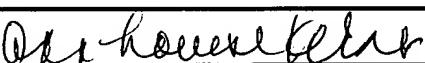
(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Application Number	09/659,737 / US6,861,239
Filing Date	09/11/2000
First Named Inventor	Blumenberg, et tal.
Art Unit	1652
Examiner Name	M. Monshipouri
Attorney Docket Number	PFI-024US/71369.172US

ENCLOSURES (Check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached  <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s)  <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement  <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers  <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address  <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund  <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC  <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences  <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)  <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please Identify below):  - Postcard
<input type="checkbox"/> Remarks  - Request for Certificate of Correction		

## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	Wilmer Cutler Pickering Hale and Dorr LLP		
Signature			
Printed name	Ann-Louise Kerner, Ph.D.		
Date	03/22/2005	Reg. No.	33,523

## CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature			
Typed or printed name	Rochelle Capobianco	Date	03/22/2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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 <b>ANNUAL FEE TRANSMITTAL</b> <b>For FY 2005</b>		<b>Complete if Known</b>	
<small>Effective on 12/08/2004.          Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).</small>		Application Number	09/659,737 / US6,861,239
		Filing Date	09/11/2000
		First Named Inventor	Blumenberg, et tal.
		Examiner Name	M. Monshipouri
		Art Unit	1652
<b>TOTAL AMOUNT OF PAYMENT</b> (\$)		Attorney Docket No.	PFI-024US/71369.172US



**METHOD OF PAYMENT** (check all that apply)

Check  Credit Card  Money Order  None  Other (please identify) Wilmer Cutler Pickering Hale and Dorr LLP  
 Deposit Account Deposit Account Number: 08-0219 Deposit Account Name: \_\_\_\_\_

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

Charge fee(s) indicated below  Charge fee(s) indicated below, except for the filing fee  
 Charge any additional fee(s) or underpayments of fee(s)  Credit any overpayments

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**FEE CALCULATION**

**1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

<u>Application Type</u>	<u>FILING FEES</u>		<u>SEARCH FEES</u>		<u>EXAMINATION FEES</u>		
	<u>Fee (\$)</u>	<u>Small Entity</u>	<u>Fee (\$)</u>	<u>Small Entity</u>	<u>Fee (\$)</u>	<u>Small Entity</u>	<u>Fees Paid (\$)</u>
Utility	300	150	500	250	200	100	0
Design	200	100	100	50	130	65	0
Plant	200	100	300	150	160	80	0
Reissue	300	150	500	250	600	300	0
Provisional	200	100	0	0	0	0	0

**2. EXCESS CLAIM FEES**

Fee Description

Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent

Small Entity  
Fee (\$) Fee (\$)

50 25

Each independent claim over 3 or, for Reissues, each independent claim more than in the original patent

200 100

Multiple dependent claims

360 180

<u>Total Claims</u>	<u>Extra Claims</u>	<u>Fee (\$)</u>	<u>Fee Paid (\$)</u>	<u>Multiple Dependent Claims</u>	
				<u>Fee (\$)</u>	<u>Fee Paid (\$)</u>
	- 20 or HP =	x	=		
	HP = highest number of total claims paid for, if greater than 20			0	0

<u>Indep. Claims</u>	<u>Extra Claims</u>	<u>Fee (\$)</u>	<u>Fee Paid (\$)</u>	<u>Multiple Dependent Claims</u>	
				<u>Fee (\$)</u>	<u>Fee Paid (\$)</u>
	- 3 or HP =	x	=		
	HP = highest number of independent claims paid for, if greater than 3			0	0

**3. APPLICATION SIZE FEE**

If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

<u>Total Sheets</u>	<u>Extra Sheets</u>	<u>Number of each additional 50 or fraction thereof</u>	<u>Fee (\$)</u>	<u>Fee Paid (\$)</u>
	- 100 =	/ 50 = 0	(round up to a whole number) x	=

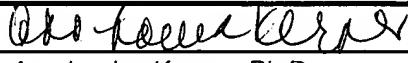
**4. OTHER FEE(S)**

Non-English Specification, \$130 fee (no small entity discount)

Other: Request for Certification Fees Paid (\$) \_\_\_\_\_

100.00

**SUBMITTED BY**

Signature		Registration No. (Attorney/Agent)	33,523	Telephone (617) 526-6192
Name (Print/Type)	Ann-Louise Kerner, Ph.D.		Date	03/22/2005

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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03-23-05

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent No.: 6,861,239 Issued: March 1, 2005

In the Name of: Blumenberg *et al.* Attorney Docket No.: PFI-024US/  
71369.172US  
Title: Genes and Polynucleotides Associated With Ultraviolet Radiation-Mediated  
Skin Damage and uses Thereof

CERTIFICATION UNDER 37 C.F.R. § 1.10

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*Rochelle Capobianco*  
Rochelle Capobianco

ATTN: Certificate of Correction Branch  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

REQUEST FOR CERTIFICATE OF CORRECTION UNDER 37 C.F.R. § 1.323

Sir:

The attached Certificate of Correction is made under 37 C.F.R. § 1.323 and is respectfully requested to be issued under 35 U.S.C. § 255.

This Certificate of Correction requests a correction of several clerical/typographical errors in the specification and claims of the above-identified patent. The error to be corrected is described in detail on the enclosed PTO Form 1050. Applicants respectfully request that the attached Certificate of Correction be issued.

Please charge any fees that are due in this matter to Deposit Account No. 08-0219.

Respectfully submitted,

Dated: March 22, 2005

*Ann Louise Kerner*

Ann-Louise Kerner, Ph.D.  
Registration No. 33,523

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Boston, MA 02109  
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03/23/2005 SSESHE2 00000009 080219  
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(Also Form PTO-1050)

## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 6,861,239  
DATED : 02/08/2005  
INVENTOR(S) : Blumenberg et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 6, line 22, please replace "for the. YSK2" with --for the YSK2--  
Column 12, line 24, please replace "PAKS-related" with --PAK5-related--  
Column 13, line 22, please replace "and Is useful" with --and is useful--  
Column 22, line 14, please replace "The MLK4 PAK4," with --The MLK4, PAK4,--  
Column 27, line 58, please replace "PAK4, PAKS or YSK2" with --PAK4, PAK5 or YSK2--  
Column 28, line 2, please replace "a lest compound" with --a test compound--  
Column 70, line 49, please replace "nucleic add" with --isolated polynucleotide molecule--  
Column 70, line 55, please replace "nucleic add" with --isolated polynucleotide--  
Column 70, line 57, please replace "isolated polynucleotide" with --isolated DNA polynucleotide--

MAILING ADDRESS OF SENDER: WILMER CUTLER PICKERING HALE  
AND DORR, LLP  
60 State Street  
Boston, MA 02109

PATENT NO. 6,861,239

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